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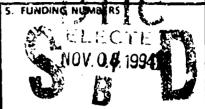
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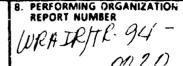
6. AUTHOR(S)

Paul T. Bartone, Ph.D., Mark A. Vaitkus, Ph.D., & Robert C. Williams, M.A.



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13. ABSTRACT (Maximum 730 words)

The impact of perceived stressful experiences on mental health was studied using 1993 survey data from a representative sample (N=5,235) of the Army population in Europe. Regression results show stress in various life areas (personal, job, family) strongly predicts depression. Stress associated with mandated force reductions is also a predictor of depression for soldiers with children and working spouses. This study demonstrates empirically that stress associated with military force reductions is related to negative mental health effects.

This study was presented at the Sixth Annual Convention of the American Psychological Society, Washington, DC, July 1994.

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Psychosocial Stress & Mental Health in a Forward-Deployed Military Community

Paul T. Bartone, Ph.D. & Mark A. Vaitkus, Ph.D. U.S. Army Medical Research Unit-Europe

Robert C. Williams, M.A.
USAREUR Office of the Deputy Chief of Staff for Personnel

ABSTRACT

An important issue for military behavioral scientists concerns the possible impact of force reductions and other life stressors on the mental health, morale and performance of military personnel. The most recent (1993) Uniformed Personnel Opinion Survey (UPOS) in Europe assessed perceived stress levels in various areas of experience, such as Professional Duties and Family Responsibilities, and inquired directly about atress experienced as a function of mandated "Reductions in Force" (RIF). Mental health was measured with an 11-item scale of depressive symptomatology. Depressive symptoms are conceived as a function of low morale, with performance consequences for daily soldier functioning. Usable surveys were obtained from 5,198 respondents, giving a good representation of the active-duty Army population in Europe, as well as spouses and Army civilian employees. Stepwise multiple regressions examined the impact of psychosocial stressors on mental health as indexed by frequency of depressive symptomatology. Results confirmed that stress experienced in several key areas has a substantial relation to mental health in the military community. For the sample as a whole (70% active duty, 78% married, 65% male) stress associated with Personal, Job, and Family Responsibilities vielded a highly significant model (F = 446.89, p < .0001) predicting total depression days, with a Multiple R of .47. For soldiers in dual-military couples (1=280), and for those with spouses working outside the Army (N = 1,581), the strongest predictors of depression are Job and Family area stressors (Multiple R .28 and .44 respectively). For soldiers with working spouses and 2 or more children at home, mental health is also predicted by reported stress levels associated with Force Reductions. It is likely that financial security considerations weigh most heavily on this sub-group of the active-duty population. Despite much speculation on "drawdown stress" having a negative impact on soldiers and their families, this is the first study to empirically demonstrate deleterious mental health effects associated with force reductions.

Paper presented at the Sixth Annual Convention of the American Psychological Society, Washington, DC, July 1994. Address comments to:

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Paul T. Bartone, Ph.D. Unit 29218, Box 245 APO AE 09102

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Psychosocial Stress & Mental Health in the Forward-Deployed Military Community

Paul T. Bartone, Mark A. Vaitkus U.S. Army Medical Research Unit-Europe

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Robert C. Williams
Office of the Deputy Chief of Staff for Personnel, U.S. Army Europe

SUMMARY

The impact of perceived stressful experiences on mental health was studied using 1993 survey data from a representative sample (N=5,235) of the Army population in Europe. Regression results show stress in various life areas (personal, job, family) strongly predicts depression. Stress associated with mandated force reductions is also a predictor of depression for soldiers with children and working spouses. This study demonstrates empirically that stress associated with military force reductions is related to negative mental health effects.

Accession

Correspondence to:

Paul T. Bartone, Ph.D. Unit 29218, Box 245 APO AE 09102

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BACKGROUND

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Professional Duties and Family Responsibilities, and inquired directly as a function of low morale, with performance consequences for daily An important issue for military behavioral scientists concerns the downsizing can lead to a "hollow force" by driving good employees form of the CES-D depression scale. Depression is conceived here about stress experienced as a function of mandated "Reductions in sample of the forward-deployed Army population. The most recent possible impact of force reductions and other life stressors on the Force" (RIF). Mental health was measured with a short (11-item) conducts a comprehensive opinion survey in a stratified random perceived stress levels in various areas of experience, such as commitment. Each year, the U.S. Army in Europe (USAREUR) (1993) USAREUR Personnel Opinion Survey (UPOS) assessed mental health, morale and performance of military personnel. Increased stress associated with force reorganization and to quit, and by leaving survivors with a lowered sense of soldier functioning.

METHODS

good representation of the active-duty Army population in Europe, as depression scale asks respondents to indicate how many days out of Stepwise multiple regressions were applied to examine the impact of responsibilities, (4)USAREUR drawdown, and (5)Reduction-in-Force areas: (1)professional duties, (2)family responsibilities, (3)personal the last week each symptom was experienced. Respondents were Usable surveys were obtained from 5,235 respondents, giving a also asked to rate the level of stress experienced in each of five members are separated from the service before they wish to be. RIF. A "Reduction-in-Force" is a mechanism by which service well as spouses and Army civilian employees. The 11-item reported stress levels on depression.

RESULTS

military couples (N=280), and for those with spouses working outside Results confirmed that stress experienced in several key areas has mental health is also predicted by reported stress levels associated considerations weigh most heavily on this sub-group of the activetotal depression days, with a Multiple R of .47. For soldiers in dualthe Army (N=1,581), the strongest predictors of depression are Job stress associated with Personal, Job, and Family Responsibilities yielded a highly significant model (F=446.89, p < .0001) predicting a substantial relation to mental health in the military community. the sample as a whole (70% active duty, 78% married, 65% male) and Family area stressors (Multiple R. 28 and .44 respectively). soldiers with working spouses and 2 or more children at home, with Force Reductions. It is likely that financial security duty population.

DISCUSSION

comparative data on stress from previous years are not available, the recent period has clearly been one of increased turmoil and demands responsibilities are greater, and are often in competition for the time of the service member. The present study provides some empirical stress" is high in the forward deployed force, and that many service confirmation of the common anecdotal observation that "drawdown between experienced life stress and depression symptoms. While 1990, Army forces stationed in Europ⊎ have been reduced by over for Army personnel in the forward-deployed environ-ment. Since change has resulted in increased workload for many, and greater Using a representative sample of the U.S. Army population in half, from 213,000 to just over 100,000. This vast organizational uncertainty about the future. Personal, family and professional Europe, this study has shown a clear and substantial relation members are suffering negative psychological effects.

STEPWISE MULTIPLE REGRESSION RESULTS
PREDICTING: DAYS OF DEPRESSION
TOTAL SAMPLE: SOLDIERS, SPOUSES, CIVILIAN (N=5,235)

PREDICTOR VAR	R SQUARE	BETA	ш	SIG
1. STRESS: PERSONAL	.167	.279	264.88	0000
2. STRESS: PROFESSIONAL	.213	.227	269.59	0000
3. STRESS: FAMILY	.216	.075	20.44	0000
4. STRESS: R-I-F	.217	.052	9.48	.002
5. STRESS: DRAWDOWN	.218	041	5.85	.01

MODEL: MULTIPLE R=.47 F = 270.54, p < .0000, df = 5, 5229

PREDICTING: RECEIVED COUNSELING IN PAST YEAR TOTAL SAMPLE: SCLDIERS, SPO'JSES, CIVILIAN (N=5,235) STEPWISE MULTIPLE REGRESSION RESULTS

105.38 -. 143 BET'A R SOUARE .02 1. STRESS: FAMILY PREDICTOR VAR

0000°

SIG.

F = 105.38, p < .0000, df = 1, 5234 MODEL: MULTIPLE R=.14

STEPWISE MULTIPLE REGRESSION RESULTS PREDICTING: DAYS OF DEPRESSION SOLDIERS WITH WORKING SPOUSES (N = 1,581)

PREDICTOR VAR	R SQUARE	BETA	Ш	SIG
1. STRESS: PROFESSIONAL	.134	.234	81.08	0000
2. STRESS: FAMILY	.189	.227	25.81	.0000
3. STRESS: PERSONAL	.201	.075	18.72	0000
4. STRESS: R-I-F	.205	.052	9.05	.002

95.99, p < .0000, df = 4, 1577 II LL MODEL: MULTIPLE R=.45

PREDICTING: DAYS OF DEPRESSION "DUAL CAREER" SOLDIERS WITH ARMY SPOUSES (N = 280) STEPWISE MULTIPLE REGRESSION RESULTS

SIG	9000	40
LL	12.14	4.10
BET.	.217	.127
R SQUARE	.064	620.
PREDICTOR VAR	1. STRESS: PROFESSIONAL	2. STRESS: FAMILY

MODEL: MULTIPLE R=.28 F = 10.98, p < .0000, df = 2, 278

STEPWISE MULTIPLE REGRESSION RESULTS PREDICTING: DAYS OF DEPRESSION SOLDIERS WITH 2+ CHILDREN & WORKING SPOUSES = 573)

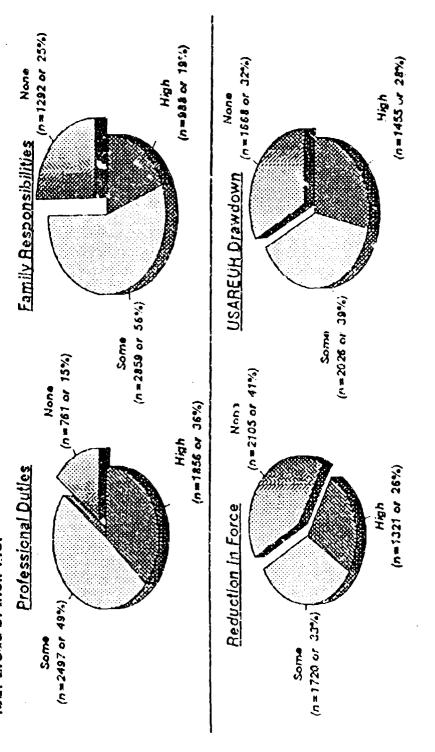
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PREDICTOR VAR	SQUARE	BETA	Ш	SIG.
STRESS: PROFESSIONAL	.14.4	.261	36.58	0000
2. STRESS: FAMILY	.182	.211	24.58	0000
3. STRESS: R-I-F	.204	.151	14.64	0000

F = 45.69, p < .0000, df = 3, 570 MODEL: MULTIPLE R=.45

USAREUR Drawdown

Section Section

• Survey respondents were asked to rate the levels of stress they were experiencing in four areas of their life:





Hereth and Safety Issues

